

How to Develop a Program for Small Passenger Service Vehicles

2005 Washington State Public Transportation Conference August 24,2005

Carla Meyer, Jefferson Transit Barb Savary, WSDOT



- Introductions
- Program framework
- Measuring life cycle costs
- Developing a maintenance program
- Resources
- Workshop evaluation

Introductions

- Meet the instructors
- Tell us about yourself
 - Name
 - Organization
 - Number of vehicles in your fleet
 - Type of service you provide
 - Your expectations for today



- How was the framework developed?
- Who was on the expert panel?
- What were the guiding principals?
- What is lowest life cycle cost and how will this save our organization money?

Program Framework – Mission Statement

- Should be developed as a group effort
- Supports organization's mission
 - Represents the role of maintenance
 - Provides direction
 - Demonstrates organization's commitment







- Graduated preventative maintenance (PM) program
 - Based on the manufacturer's recommendations
 - Modified to reflect local conditions

- A system to identify, track, and record maintenance activities and costs
 - Work order system
 - Excel spreadsheet
 - Other manual tracking methods





- A system to authorize, direct, and control maintenance activities
 - Who decides when vehicles are due for service?
 - Who authorizes maintenance work?



- A process to oversee work done by contractors
 - Do you have your own mechanics or use a local auto shop?
 - Do contract service providers maintain your equipment?
 - How do you know if they're doing their job?
 - Have you seen their records?
 - Have you inspected the vehicle(s)?
 - Why is it important?

- Warranty recovery
 - Do you have a process to ensure you recover the cost of warranty repairs?
 - What should the process include?
 - Are the mechanics certified to make warranty repairs?



How to Measure Life Cycle Costs

- What are the life cycle costs (LCC)?
- How will analyzing LCC benefit my organization?
- What is the cost model?
 - What are the components?
 - How does it work?
 - Can I modify the cost model to meet my needs?

How to develop a program

- Open up you owner's manuals
- Review the manufacturer's recommendations
- Identify your local conditions and types of service you provide
- Determine your service intervals



How to develop a program

- Design your inspection sheets
- Develop your tracking sheets
- Develop pre/post trip inspection criteria
- Develop a system to report defects
- Put your program in writing
- Don't hesitate to ask for help







Resources

ASK CARLA SHE KNOWS EVERYTHING!

Resources

- Electronic samples provided to all workshop participants
 - Sample plan
 - Sample forms
 - Life cycle cost analysis tool
- Owner's manuals

Resources

- WSDOT
 - Guide to Preparing Your Transit Asset Management Plan – www.wsdot.wa.gov/transit
 - Technical Assistance Barb Savary, (360)705-7926 or savaryb@wsdot.wa.gov
- Local Transit Agencies
 - Consult your Public Transportation Directory



- Please let us know what you think
- Did we meet your expectations?
- Would you like more on this topic?